

WINCLE
ENERGY STORAGE

SD-100/258

**ENERGY STORAGE
CABINET**

For Industrial &
Commercial
(Liquid Cooling)



Product advantages

Highly Integrated

- Integrated Design, Plug and Play, Easy Installation.

Efficient and Flexible

- Modular Design, Support for Multiple Parallel;
- Applicable to Various Working Conditions, Flexible Load Configuration.

iBMS

- The New iBMS Realizes the Refined and Personalized Safety Management of the Battery Life Cycle.

Cloud Security Warning

- Full-dimensional Security Warning Function, 7*24 Hours to Ensure the Safety of Battery Applications.

Safe and Reliable

- IP55 Protection Level;
- Passed Electrical Safety, System Safety, Electrochemical Safety, Mechanical Safety and Other Safety Tests.

Intelligent and Friendly

- Mobile App Monitoring the Product Operation Status and Revenue Data in Real Time.

SOC Correction Algorithm

- Greatly Improve the Soc Accuracy to 3% in the Application Scenario Without Full Discharge; Soc Correction Algorithm Prolongs the Battery Life by 15%.

Thermal Management

- Full-scene Thermal Simulation Analysis, Suitable for Complex Environments.



UN38.3

<http://www.en.wincle.cn>
E-mail: info@wincle.cn

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Energy Storage Cabinet

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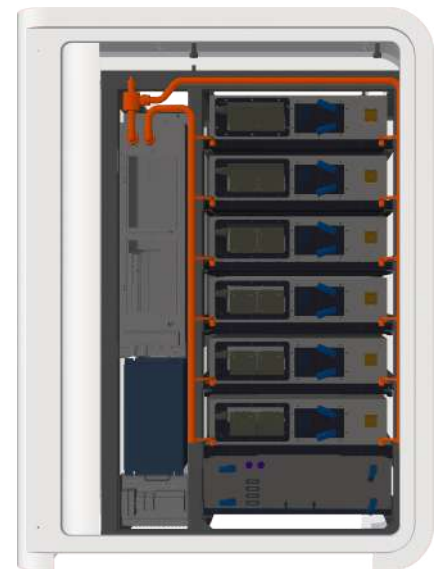
Product Spec.

Rated Capacity	258 kWh
Rated Power	100 kW
Nominal Voltage	380 Vac / Three-phase Four-wire
Max Apparent Power	110 kW
Rated Output Frequency	50 Hz
Unbalanced Load	100%
IP Protection Level	IP55
Cooling Method	Liquid Cooling
Noise	<65 db (1m From the System)
Size	W1578*D1400*H2132mm
Communication Interface	Ethernet
Communication Protocol	IEC60870-5-104, Modbus tcp, IEC61850-9



Inside the Cabinet

- 01 System Monitoring
- 02 Meter
- 03 Surge Protection
- 04 PDU
- 05 Inverter Unit
- 06 Liquid Cooling System
- 07 Battery Pack
- 08 AC Protection



Liquid Cooled Battery Pack

The standard liquid-cooled battery box adopts the integrated the liquid cooling system in the bottom of the box, and consists of 4 standard modules in series to form a battery box with a voltage of 153.6V and a capacity of 280Ah.



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E-mail: info@wincle.cn

Hunan Wincle Energy Storage Technology Co.,LTD